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20231 on February 13, 2002



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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor: Frank Collart *et al.*

Serial No.: 09/533,466

Attorney Docket No. 21416/90042

Filing Date: March 23, 2000

Title: USE OF THE CRYSTAL STRUCTURE  
OF BACTERIAL IMP DEHYDROGENASE TO  
DESIGN INHIBITORS OF BACTERIAL  
GROWTH

Examiner: Amy Hartter

Art Unit: 1631

#191D  
Plunkett  
2/26/02  
(we)

AMENDMENT AND RESPONSE TO OFFICE ACTION  
MAILED OCTOBER 15, 2001

Assistant Commissioner of Patents  
Washington, D.C. 20231

Dear Sir:

This amendment is filed in response to the Office Action mailed October 15, 2001. Please enter the following amendments and consider the following remarks. A petition for a one-month extension of time until February 15, 2002 is filed concurrently with the required fee.

AMENDMENTS

In the Claims

Please amend the following claims:

3. (Amended) [The crystal of claim 1] A crystal of IMPDH (ionisine monophosphate dehydrogenase) isolated from a bacterial preparation wherein the bacterial preparation is a pure culture of *Streptococcus pyogenes*.

4. (Twice Amended) A method for designing inhibitors [developing lead compounds for an inhibitor] of bacterial IMPDH (inosine monophosphate dehydrogenase), said method comprising:

- a. obtaining a crystal of bacterial IMPDH;
- b. recording x-ray diffraction data from said crystal;
- c. using said diffraction data to generate an electron density map consistent

DO NOT ENTER  
AM, 3-22-02